

## YL170Wp, Yingli Solar

Yingli's 170 watt photovoltaic module is designed for large electrical power requirements. With a 25 year warranty, the YL170 has superb durability to withstand rigorous operating conditions. Ideal for grid-connected and remote power systems, the YL170 offers high usable power per square foot of solar array.

- ◆ Solar Cell: High efficiency crystalline solar cell. Even if under the weak light, the solar module can produce maximum power output.
- ◆ Tempered glass: Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- ◆ EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- ◆ Al frame: Without screw, corner connection. 6 holes on the frame can be installed easily.
- ◆ Junction box: Multi function junction box with water proof.
- ◆ Long lifetime:  $\geq 25$  years; Less power decrease.
- ◆ Good performance of preventing from atrocious weather such as wind and hails.
- ◆ Resisting moisture and etching effectively, not effect by geology.
- ◆ The certificate issued by international authority: ISO Quality Management system, CE, TUV, IEC.



- World-class Product and Service
- Complete Production Chain
- PV Manufacturer from China

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## ELECTRICAL PARAMETER

Module type	170(35)P1580×808(YL170Wp)
Cell	Poly-crystal silicon
No. of Cells and Connections	72 in series
Maximum Power (Pm)	170W±5
Maximum Power Voltage (Vpm)	35.0V
Maximum Power Current (Ipm)	4.86A
Open Circuit Voltage (Voc)	44.0V
Short Circuit Current (Isc)	5.2A
Module Efficiency	13.3%
Cell Efficiency	15.1%

(\* (STC) Standard Test Conditions: 25°C, 1 kW/m2, AM 1.5)

## MECHANICAL CHARACTERISTIC

Dimensions (HxWxD )	1580×808×50mm
Weight	157Kg(34.6Pound)
Area	1.28m <sup>2</sup>

( Cable Length 900mm provide by clients' requirement )

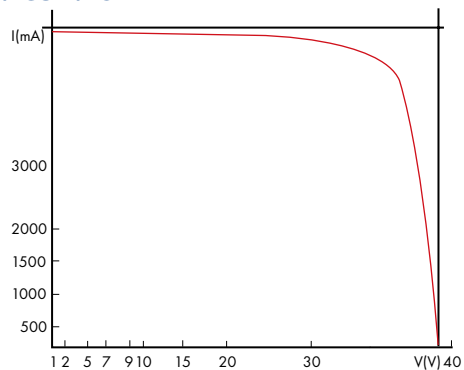
## TEMPERATURE COEFFICIENTS

Power	Tk(Wp)	-0.45%/°C
Open Circuit Voltage	Tk(Voc)	-0.37%/°C
Short Circuit Current	Tk(Isc)	+0.10%/°C

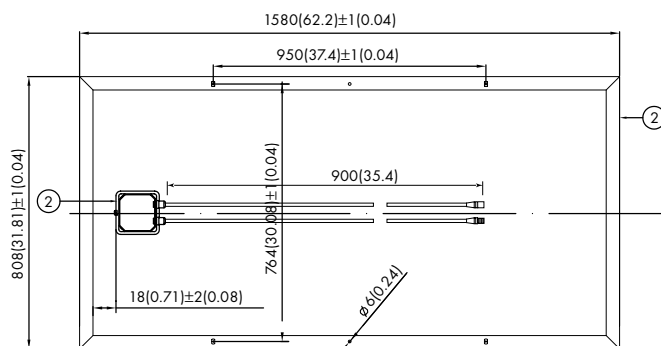
## ABSOLUTE MAXIMUM LIMITS

Max System Voltage	V	1000
Module Operating Temperature	°C	-45—+85
Wind speed	Km/h	130
Noct	°C	46±2

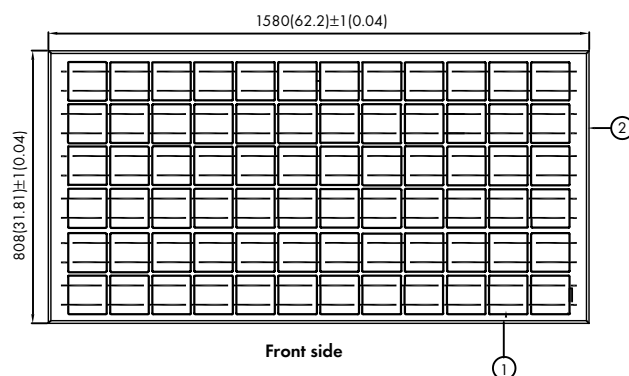
## I V CURVES



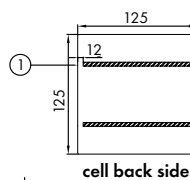
## INSTALLATION DIMENSIONS



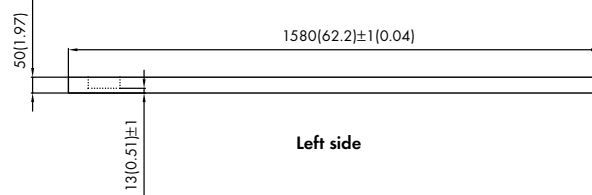
Back side



Front side



cell back side



Left side

3	Junction box	Rh0501-4	1PC	
2	Frame	Q128,1580×808	1Set	
1	Cell	125×125	72PCS	
Item	Name	Specification	Quantity	Remark
Brand	Yingli solar		170(35)P1580×808	



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